

**RAW SEQUENCE LISTING
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number

10/786,478

Source:

1/6/0

Date Processed by STIC:

8/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.2 PROGRAM** ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chknote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - cPAVE)

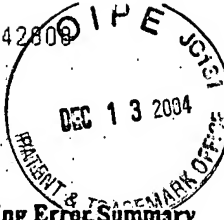
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

3. Hand-Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):

U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

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Raw Sequence Listing Error Summary

ERROR DETECTED**SUGGESTED CORRECTION**

SERIAL NUMBER:

10/286,478

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1. **Wrapped Nucleics**
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."
2. **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
3. **Misaligned Amino Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4. **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5. **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6. **PatentIn 2.0 "bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7. **Skipped Sequences (OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(ii) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8. **Skipped Sequences (NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
9. **Use of n's or Xaa's (NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10. **Invalid <213> Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence.
11. **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12. **PatentIn 2.0 "bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13. **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC - Biotechnology Systems Branch - 09/09/2003

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IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004
TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

3 <110> APPLICANT: Chen, Jingcai
4 Kuel, Chester
5 Liu, Changlu W.
6 Lovenberg, Timothy W.
7 Sillard, Rannar W.
8 Sutton, Steven W.
10 <120> TITLE OF INVENTION: RELAXIN3-GPCR 135 COMPLEXES AND THEIR PRODUCTION AND USE
12 <130> FILE REFERENCE: PRD2045NP-US
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/786,478
C--> 14 <141> CURRENT FILING DATE: 2004-02-25
14 <150> PRIOR APPLICATION NUMBER: US 60/451,702
15 <151> PRIOR FILING DATE: 2003-03-04
17 <160> NUMBER OF SEQ ID NOS: 28
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 40
23 <212> TYPE: DNA
24 <213> ORGANISM: Primer *(global era)*
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31 <211> LENGTH: 39
32 <212> TYPE: DNA
33 <213> ORGANISM: Primer *invalid <213> response. see item 10 on Error*
35 <400> SEQUENCE: 2
36 acatcatcta gatcagtagg cagagctgct gggcagcag
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 45
41 <212> TYPE: DNA
42 <213> ORGANISM: Primer *same error*
44 <400> SEQUENCE: 3
45 accatacttg agggcaccat gcaggtggct tctgcaaccc ccgag
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49 <211> LENGTH: 41
50 <212> TYPE: DNA
51 <213> ORGANISM: Primer
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57 <210> SEQ ID NO: 5
58 <211> LENGTH: 47
59 <212> TYPE: DNA
60 <213> ORGANISM: Primer
62 <400> SEQUENCE: 5

pp 1-2
Does Not Comply
Controlled Diskette Header
Summary sheet
40
39
45
41

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

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71 <400> SEQUENCE: 6
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75 <210> SEQ ID NO: 7
76 <211> LENGTH: 45
77 <212> TYPE: DNA
78 <213> ORGANISM: Primer
80 <400> SEQUENCE: 7
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85 <211> LENGTH: 1410
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
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94 gcgtcgctgc agcttcagg cttgtggtag gactggggc tggagttgac ggacggcgcg 180
96 ccgcccaggac atccccggg cagcggggg gcagagagcg cggacacaga ggcgggggtg 240
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100 ctgggttctc acctgatgaa gacatgcag ggtggcgca agtcctctat caactcttc 360
102 gtcacccaacc tggcgctgac ggactttcag tttgtgctca cctgcccct ctggggcggtg 420
104 gagaacgctc ttgactcaa atggcccttc ggcaaggcca tgtgtaagat cgtgtccatg 480
106 gtgacgtcca tgaacatgta cgcagcgtg tcttctcca ctgcatgag tgtgacgcgc 540
108 taccattcgg tggcctcggc tctgaagagc caccggaccc gaggacacgg ccggggcgac 600
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114 gtgatggcg agagctgtg cctgggtcgt tcccgagca agttgctggg ccggaacagg 780
116 cagttctggc tgggctcta ccaactgcag aaggtgctgc tgggcttctg gctgccctg 840
118 ggcattatca tctgtgcta cctgctgctg gtgcgcttca tgcgcgacg ccgcgcgggc 900
120 gggaccaaa gaggggccgc ggtagccgga ggacggcgga ccggagocag cggccggaga 960
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140 <211> LENGTH: 1419
141 <212> TYPE: DNA
142 <213> ORGANISM: Mouse
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147 ctctcagaat tcttcgctct gacccagac ttgctggaag tggccaacgc cagcggcaat 120

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt
Output Set: N:\CRF4\08232004\J786478.raw

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153 cggatcctca tcagcgcggt ttactgggtg gtttgtgccc tgggactggc cggcaacctg 300
155 ctggttctct acctgatgaa gagcaagcaa ggctggcgca aatcctccat caacctcttt 360
157 gtcactaac tcgactgac tgactttcag ttcgtgctca ctctgccctt ttgggctgtg 420
159 gagaacgcac tagacttcaa gtggcccttc ggcaaggcca tgtgtaagat cgtgtccatg 480
161 gtgacatcca tgaacatgta cggcagcgte ttcttccctca ctgctatgag cgtggcgcg 540
163 taccactcgg tggcctcggc tctcaagagc catcggaccc gagggcggtg cgtggcgac 600
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171 cagttctggc tgggtttgta ccacotgcag aaggtgctgc tgggcttctt gctgcgctg 840
173 agcatcatca gtctgtgtta cctgttgcct gtgcgcttca tctccgaccg tgcgtggtt 900
175 gggacaacag atgcagttag agcagcagca gcgcctgggg gaggcctgag tacagccagc 960
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181 cctttcagcc aggagtactt tcagtgcctc gtgtacgctg tccagtcag cgtgtgctg 1140
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187 ttoaccgcca ccaccaagcc agaacctgaa gatcacgggc tgcaggccct ggcgccgctt 1320
189 aatgctgctg ccgaacctga cctgatctac tatcaccggt gtgtggtggt ctacagcggg 1380
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220 cgcgggcatg gccgtggcga ctgctgcggc cagagcttgg gggagagctg ctgtttctca 660
222 gccaaagggt tctgtggatt gatctgggct tctgcgcga tagcttgcgt gcccaatgtc 720
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238 agcgtgtgcc tggcacactc caacagctgc ctcaaccca tctctactg cttagtgcgc 1200
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PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ET25.txt

Output Set: N:\CRF4\08232004\J786478.raw

244 ctggcgccac ttaatgctac tgcagagcct gacctgatct actatccacc cgggtgtggtg 1380
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252 <213> ORGANISM: Rat
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259 ggcctcgtgc agcttcagga cttgtggtgg gagctggggc tggagttgcc cgacggtgcg 180
261 gcgcctgggc atccccggg cagcgggtgg gcagagagcg cggacacaga ggcagggta 240
263 cggatcctca tcagcgcgt ttactgggtg gtttgtgccc tgggactggc tggcaacctg 300
265 ctggttctct acctgatga gagcaaacag ggtggcgca aatcctccat taacctctt 360
267 gtactaaacc tggcgtgac tgactttcag ttgtgctca ctctgccctt ctgggcggtg 420
269 gagaacgcac tagatttcaa gtggcccttt ggcaaggcca tgtgtaugat cgtatctatg 480
271 gtgacatcca tgaacatgta tgccagcgtc ttctttctca ctgctatgag tgtggcgcgc 540
273 taccactcgg tggcctcagc tctcaagagc catcggacct gcgggcatgg ccgtggcgac 600
275 tggctggggc agagcttggg ggagagctgc tgtttctcag ccaagggtgt gtgtggattg 660
277 atctgggctt ctgcgcgat agcttcgtcg cccaatgta tttttctac caccatcaat 720
279 gtgttgggcg aggagctgtg cctcatgca tttccggaca agtctctggg ttgggacggg 780
281 cagttctggc tgggtttgta ccacctgcag aagggtgctgc tgggcttctt gctgccgtg 840
283 agcatcatca gtttgtgtta cctgttgcto gtgcgctca tctccgaccg ccgctagtgtg 900
285 gggacaacgg atggagcaac agcgcctggg gggagcctga gtacagccgg cgtcggaga 960
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289 cccaaccaag cgctcaccac ctggagcacc ctcattcaagt tcaacgtagt gccctcagt 1080
291 caggagtact ttcaagtcca agtgtacgcg ttcccagta gcgtgtgctt ggcacactcc 1140
293 aacagctgcc tcaaccccat cctctactgc ttagtgcgcc gcgagttccg caagcgctc 1200
295 aagaacctgc tgtggcgat agcatcgct tgcgtcacca gcattgcgcc ctccaccgcc 1260
297 accaccaagc cagaacctga agatcacggg ctgcaggccc tggcgccact taatgctact 1320
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305 <211> LENGTH: 469
306 <212> TYPE: PRT
307 <213> ORGANISM: Homo sapiens
309 <400> SEQUENCE: 12
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315 Gly Gly Asp Lys Leu Ala Glu Leu Phe Ser Leu Val Pro Asp Leu Leu
316 20 25 30
319 Glu Ala Ala Asn Thr Ser Gly Asn Ala Ser Leu Gln Leu Pro Asp Leu
320 35 40 45
323 Trp Trp Glu Leu Gly Leu Gly Leu Pro Asp Gly Ala Pro Pro Gly His
324 50 55 60
327 Pro Pro Gly Ser Gly Gly Ala Glu Ser Ala Asp Thr Glu Ala Arg Val
328 65 70 75 80
331 Arg Ile Leu Ile Ser Val Val Tyr Trp Val Val Cys Ala Leu Gly Leu
332 85 90 95
335 Ala Gly Asn Leu Leu Val Leu Tyr Leu Met Lys Ser Met Gln Gly Trp

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

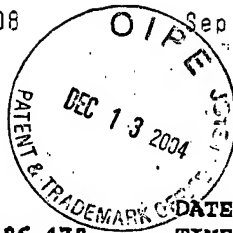
TIME: 16:39:32

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.ST25.txt

Output Set: N:\CRF4\08232004\J786478.raw

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339 Arg Lys Ser Ser Ile Asn Leu Phe Val Thr Asn Leu Ala Leu Thr Asp
340 115 120 125
343 Phe Gln Phe Val Leu Thr Leu Pro Phe Trp Ala Val Glu Asn Ala Leu
344 130 135 140
347 Asp Phe Lys Trp Pro Phe Gly Lys Ala Met Cys Lys Ile Val Ser Met
348 145 150 155 160
351 Val Thr Ser Met Asn Met Tyr Ala Ser Val Phe Phe Leu Thr Ala Met
352 165 170 175
355 Ser Val Thr Arg Tyr His Ser Val Ala Ser Ala Leu Lys Ser His Arg
356 180 185 190
359 Thr Arg Gly His Gly Arg Gly Asp Cys Cys Gly Arg Ser Leu Gly Asp
360 195 200 205
363 Ser Cys Cys Phe Ser Ala Lys Ala Leu Cys Val Trp Ile Trp Ala Leu
364 210 215 220
367 Ala Ala Leu Ala Ser Leu Pro Ser Ala Ile Phe Ser Thr Thr Val Lys
368 225 230 235 240
371 Val Met Gly Glu Glu Leu Cys Leu Val Arg Phe Pro Asp Lys Leu Leu
372 245 250 255
375 Gly Arg Asp Arg Gln Phe Trp Leu Gly Leu Tyr His Ser Gln Lys Val
376 260 265 270
379 Leu Leu Gly Phe Val Leu Pro Leu Gly Ile Ile Ile Leu Cys Tyr Leu
380 275 280 285
383 Leu Leu Val Arg Phe Ile Ala Asp Arg Arg Ala Ala Gly Thr Lys Gly
384 290 295 300
387 Gly Ala Ala Val Ala Gly Gly Arg Pro Thr Gly Ala Ser Ala Arg Arg
388 305 310 315 320
391 Leu Ser Lys Val Thr Lys Ser Val Thr Ile Val Val Leu Ser Phe Phe
392 325 330 335
395 Leu Cys Trp Leu Pro Asn Gln Ala Leu Thr Thr Trp Ser Ile Leu Ile
396 340 345 350
399 Lys Phe Asn Ala Val Pro Phe Ser Gln Glu Tyr Phe Leu Cys Gln Val
400 355 360 365
403 Tyr Ala Phe Pro Val Ser Val Cys Leu Ala His Ser Asn Ser Cys Leu
404 370 375 380
407 Asn Pro Val Leu Tyr Cys Leu Val Arg Arg Glu Phe Arg Lys Ala Leu
408 385 390 395 400
411 Lys Ser Leu Leu Arg Arg Ile Ala Ser Pro Ser Ile Thr Ser Met Arg
412 405 410 415
415 Pro Phe Thr Ala Thr Thr Lys Pro Glu His Glu Asp Gln Gly Leu Gln
416 420 425 430
419 Ala Pro Ala Pro Pro His Ala Ala Ala Glu Pro Asp Leu Leu Tyr Tyr
420 435 440 445
423 Pro Pro Gly Val Val Val Tyr Ser Gly Gly Arg Tyr Asp Leu Leu Pro
424 450 455 460
427 Ser Ser Ser Ala Tyr
428 465
431 <210> SEQ ID NO: 13
432 <211> LENGTH: 472

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/786,478

DATE: 08/23/2004

TIME: 16:39:33

Input Set : A:\PRD2045NP-US SEQ LISTING 02-24-2004.5T25.txt

Output Set: N:\CRF4\08232004\J786478.raw

- 14 M:270 C: Current Application Number differs, Replaced Current Application No.
14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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